Approved For Release 2000/06/14 : CIA-RDP78-06505A000500040104-3

5X1	DICDATCI	CLASSIFICATION	PROCESSING ACTION
	DISPATCH CLASSIFICATION		MARKED FOR INDEXING
ТО	Chief,		NO INDEXING REQUIRED
INFO.			ONLY QUALIFIED DESK CAN JUDGE INDEXING
X1A FROM	Chief, Chief		MICROFILM
X1A SUBJEC	ENGINEERING/Air Con	ditioning Survey	Receiver Site
5X1A	REFS:	DIR 89467	
5X1C X1A	Control Conditions" Division. This sur of the several fail	vey was requested by ures and extensive mainte	as a result
25X1A I	Receiver Site on a piece-meal base building-and all of four, a thirty-ton has had five major	erent systems supplying a te have been installed over sis in response to specif of a different manufacture direct expansion system, failures requiring on occ	er the past seven years ic additions of the er. The oldest of the is seven years old and casion up to ten days
25X1A	as the broken fan their recent visits about five years ag had its outages and half ten-ton units source of maintenant for the disc files.	oved from the coil surfact plades which occurred in to to the twenty- go when an extension was definite managed problems all installed for MAX-1 have not trouble, as have two the condensing units of	the other units during eight ton unit, added put on the building has so. The one and one-been a continual chilled water machines of the MAX-1 air system the survey (and MAX-1
25X1A	above) and are out routing occurring) unit out of the two available and a spawater chiller units	iting the air from the the of commission again at the isattempting to malfunctioning ones single are unit is months away for the disc files have the his writing there is no sapproximately three months.	his writing (same re- to remake one condensing tee spare parts are not from delivery. The failed on several spare unit on hand,
5X1A 	equipment at double; anytime two possibly KW-26's as	one of the three major un besuffers heavy maintenan o of the three units brea re out of use unless and for a mobile unit. The	ce, i.e., KW-26 failures ks down, MAX-1 and until arrangements can
CROSS	REFERENCE TO	DISPATCH SYMBOL AND NUMBER	DATE
25X1A			UOO FILE MUNICIPALITY
ì	Approved For Relea	classification see 2000/06/14 : CIA-RDP78-00	HQS FILE NUMBER 6505A000500040104-3

CONTINUATION OF DISPATCE

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major units, and the past maintenance record, indicates that more troubles and maintenance can be expected in the future. The protection of the investment of equipment, and operational necessity, certainly warrants positive action on this subject.

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survey proposes three possible solutions to the problem. Plans #2 and #3 do little if anything to improve the overall system; therefore they have been eliminated from our active consideration. Plan #1 is a good one and would reduce the required maintenance by a considerable degree in addition to improving reliability. It is, however, deficient in several critical areas:

a. No improvement is made to the present air distribution which is entirely inadequate in the high heat areas. Contrary to the parenthetical statement made in the survey on page 3, paragraph 6A, we believe that the deficiencies in the present air distribution are sufficient to justify eliminating them. The temperature remains too bigh in some spaces, and the present ducts are too small to force additional air through them even if they were moved to the high heat areas.



- Retention of both MAX-1 disc file water chillers will still be required.
- d. Maintenance problems of four different types of existing systems, all of a different manufacturer, will not be eliminated. To maintain these various systems have sorely taxed the knowledge of our station engineering personnel (untrained in air conditioning maintenance) as well as that of second with whom job work orders are sent when repairs are extensive.

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Since the above deficiencies would still exist under Plan #1, a Plan #4 has been devised by seem and has been added to the study. It includes the best features of Plan #1 plus it eliminates the deficiencies listed above. The initial cost might be slightly higher than Plan #1, in the form of direct purchase of twenty-five (25) or thirty (30) air distribution units appropriately hung or recessed in the spaces in the building including the MAX-1 space. Some work would be required in the secure areas of the station but most of it could be accomplished by station personnel or under regulated surveillance. At some stage in its accomplishment, it is possible that a cleared team might be required for a short period of time; and it might be necessary to revert to torn tape operation vice MAX-1 for that period of time. The advantages in the long run, however, would be much greater in the form of efficiency of operation and less maintenance costs; and the above inconveniences would be well worth it.

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It is recommended that Plan #4 be accepted in principle; and that be authorized to contract with the for A&E estimates of the exact cost of the installation. Early budget and funding for the A&E design as well as the total cost of the installation, is strongly urged.

Attachment: USC

Environmental Control Conditions

Distribution:

Orig & 2 - Addee;

PAGE NO

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USE PREVIOUS EDITION. REPLACES FORMS 51 28, 51 284 AND 11 29 WHICH ARE OBSOLETE. Approved For Release 2000/06/14: CIA-RDP78-06505A000500040104-3

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